

SEQUENCE LISTING

<110> IKEDA, Kazutaka et al.

<120> METHOD OF EVALUATING DRUG SENSITIVITY BY ANALYZING THE MU-OPIOID RECEPTOR GENE

<130> 0649-1380PUS1

<140> US 10/594,597

<141> 2006-09-28

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<151> 2005-03-30

<150> JP2004-106136

<151> 2004-03-31

<160> 99

<170> PatentIn version 3.2

<210> 1

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 1

gttcaactgc taatacccta gcaggaatcg aaacagtgc cccatggcat rctaagagtc 60

actgtactct tcacagacgt gcactcacag aagaaaaaca c 101

<210> 2

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 2

actaaaagtag aatgcttgtc ccaaagaaaa gcgcattttg cctgttttag ytgtgaacta 60

aattaaccac ttttccgtg gatcactatt tttattttaa g 101

<210> 3

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 3

atgttgcctg tttgagctgt gaactaaatt aaccactttt tccgtggatc rctattttta 60

tttaaagaat gactgaggcc gggcgccgtg gtcacgcct g 101

<210> 4

<211> 101

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<213> Homo Sapiens

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cagatgacga ggtcaggaga tcgagaccat cctggctaac a 101

<210> 5  
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<213> Homo Sapiens

<400> 5  
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cagagtgaga ctctgtttta aaataaataaa ataaataaaaa t 101

<210> 6  
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<212> DNA  
<213> Homo Sapiens

<400> 6  
ataaataaaaa taaaatataa tgataaagaa atgttttat agagctctca rtttaattt 60  
ctgaagtgtat agactgtgtat aaagataacc taaataagaa a 101

<210> 7  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 7  
taattcttct tgctaatttc taggccacat acaacaggat ataaaaagcc maacaacaaa 60  
ggataaattc tttcatatgt gtgtaatcct ataaaccctc t 101

<210> 8  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 8  
taaaatataat gctaattcatt tttcaactg aattcaaata ttatgcacat kaatattcat 60  
atatgtttaa tatagaaaga aacacagaga gtgagggagg g 101

<210> 9  
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<212> DNA  
<213> Homo Sapiens

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<400>  9
aaaatatatg ctaatcattt tttcaactga attcaaatat tatgcacatt matattcata      60
tatgttaat atagaaagaa acacagagag tgagggaggg a                         101

<210>  10
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  10
ctaatcattt tttcaactga attcaaatat tatgcacatt aatattcata yatgttaat      60
atagaaagaa acacagagag tgagggaggg agtccactat g                         101

<210>  11
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  11
aaaaatctat agtgttgtac tgagctccct ccaaagcaac tataaattta yaggagatga      60
aacatatgat tcaccaggca taagaagaaa gtttccgtaa t                         101

<210>  12
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  12
tccacatgaa ctaagcacaa aggaactgaa tgcaggcaga cagatttcag ytcaatataa      60
gagaattgtt acattagttc atggaagaat atgtttaag g                         101

<210>  13
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<212>  DNA
<213>  Homo Sapiens

<400>  13
tgtttctcat ttcttttca gaaaataaaag gatcgctgtt gttcccaaca kgttttagg      60
gaagaaaatt ggagaaacat tattaccttt tcttagatgt t                         101

<210>  14
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<212>  DNA
<213>  Homo Sapiens

<400>  14

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aattgagtga tggtagcccc ctttcttatt tttcactgct a	101
<210> 15	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 15	
ccccagcacc cagccccgt tcctgggtca acttgtccca cttagatggc racctgtccg	60
accatgcgg tccgaaccgc accgacctgg gcgggagaga c	101
<210> 16	
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<213> Homo Sapiens	
<400> 16	
aatgaaaagg cagaaaaatt agccccaaa gagatgaaac tcttcgtcc rtcaccattg	60
actctattgt gaacttatga aaaaggtagt tgagcaatat g	101
<210> 17	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 17	
gaacttatga aaaaggtagt tgagcaatat gaaggccatg atgtggaatt raacacacac	60
acacacacac acacacacac acacacatgc tggattctaa a	101
<210> 18	
<211> 102	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (51)..(52)	
<223> "ac" at positions 51-52 repeats indefinitely	
<400> 18	
acttatgaaa aaggtagttg agcaatatga aggccatgt gtggaattaa acatgctgga	60
ttctaaaatg tgtccttcct cctctcactc tcttgatcag tt	102
<210> 19	

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<211> 101
<212> DNA
<213> Homo Sapiens

<400> 19
acagaggtaa tttathtagt ctggcttcac ttaacacaaa taggtcaaaa rcaatcacat      60
tttgtaagta gtaatagttg gagaaatgtg tgaagaatag g                           101

<210> 20
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 20
ggtc当地 aaaaaga taaataagaa ttatTTATA accataagaa aggaagaaca kctataaaca      60
aaagtcatat atgcaacata aaagaatagg tgagctgccg g                           101

<210> 21
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 21
ttctggaagt tccataaaaaa tcactctaatt gggtaaaca tcgatggttc kcagaagaac      60
acaatTTTT tcaaaaacga atagcattgt aaattcattt g                           101

<210> 22
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 22
tacaacaaaaa tacaggcaag gtgagtgtt ttaccagcct gagggaaaggga rggttcacag      60
cctgatatgt tggtgatgtc ataagcaaag cagtattttt g                           101

<210> 23
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 23
tttatatcaa tatagacctc atggaggatc tagctcatgt tgagaggttc rtttttggtc      60
cctgaacgaa agcttaatgt gatcgaagt gactgcaaaa t                           101

<210> 24
<211> 101
<212> DNA

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<213> Homo Sapiens  
 <400> 24  
 ttccacaatt tctttatagc cttaagttag ctctggtcaa ggctaaaaat saatgagcaa 60  
 aatggcagta ttaacaccc ttatgcataat taaatgttgc t 101

<210> 25  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens  
 <400> 25  
 ctctaattac tattattaaa gcactttctt gacattttaa tcaaaatagc rggtaagaa 60  
 gtttaggat gctctgtatt tggtttaact gtgaactata t 101

<210> 26  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens  
 <400> 26  
 acatcactct caaaagttga tctcagttt ttttacaaga catctgtgga ragttaattt 60  
 gggaaaagtaa ttgtttcaat tcaatggaa aaaaaactca a 101

<210> 27  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (51)..(80)  
 <223> n represents 11 to 15 repeats of "gt"  
 <400> 27  
 atcaaaatgg ctattcttc agttctacag tttaaaaaga aaatggttcc nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn gcgtgtgata taggcatgtc tcttttgc tgtatggaat 120  
 tagagtaaat 130

<210> 28  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens  
 <400> 28  
 aaagaaaatg gttccgtgtg tgtgtgtgtg tgtgtgtgcg tgtgatatacg rcatgtctct 60

ttttgcatgt atggaattag agtaaatgta ggtttaaaat t	101
<210> 29	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 29	
tgatatatat cataacatata tataattat attatgatat atatcataac rtgtattatc	60
atattatgt atatatcata acatataat tatcatatta c	101
<210> 30	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 30	
acatgtatta tcattatattg atatatatca taacatata attatcatat yacgatata	60
atcataacat attatatatt atcatattat gatataatc a	101
<210> 31	
<211> 644	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (51)..(594)	
<223> n at positions 51 to 594 represents 2 to 17 repeats of "attatcatattatgacatatacataatata"	
<400> 31	
tatgacatata cataatata attatcatat tatgacatata cgtaatata nnnnnnnnnn	60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatcaaa	600

aagtacaga	gctcatgcaa	gcccagtcat	ccccattgcc	agtg	644	
<210> 32						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 32						
aatatatattt	atcatattat	gacatata	ataatata	ttatcatatt	rtgacatata	60
tcataatata	tatcaaaaaag	tcacagagct	catgcaagcc	c		101
<210> 33						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 33						
taaaatgtac	tctttatttc	tcactggttt	ctccatactg	caggctcccc	rcatattatt	60
ttcttttttt	aactcagctc	agaatcctta	tgcctttga	a		101
<210> 34						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 34						
atctaggtag	acagccaagt	cagatggccc	atgcctagaa	gctctccatt	ytgaactttt	60
gtcagcattt	attaaaagaa	tcaaatacct	tgtagttatc	t		101
<210> 35						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 35						
cagccaagtc	agatggccc	tgcctagaag	ctctccattt	tgaactttt	ycagcattga	60
ttaaaaagaat	caaatacctt	gtagttatct	atgatgatac	a		101
<210> 36						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 36						
ttatgtggac	tcaacccacg	tatccagtag	atggaaaaaa	acaaaagcca	raataagttt	60
tttagtgttt	cttctgatg	aagttcatg	tttgcttgta	a		101

<210> 37  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 37  
 aacaaaagcc aaaataagtt ttttagtgtt tccttctgat gaagtttcat rtttgcttgt 60  
 aataatctcc atttctcaaa tattatgttc cataatagac a 101

<210> 38  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 38  
 atgctttca tgggcttagga tggtttctcc caagagatga catagtattg ytttgctca 60  
 tcaggctgtt tctcagcaat cattgtttct gcttaataacc a 101

<210> 39  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 39  
 gctcctagta cgaattatct ggcattgtga gagcaacttt gtcttcaagt rggacctgat 60  
 ctatctttt ccacaaatgt catgtgtgt aacaagtttc t 101

<210> 40  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 40  
 attctaaagt aaataataaa taaggtcatt gtcaacgttt ttcattcaaa rccattttt 60  
 aacgtaaatt tgctagaacc accttccaat tccaaggcaa g 101

<210> 41  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 41  
 taataaataa ggtcattgtc aacgttttc attcaaaacc attttttaac rtaaatttg 60  
 tagaaccacc ttccaattcc aaggcaagga gagacattac a 101

<210> 42  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 42  
 ctcaactgga tgggcttaagg tttctgataa aatctgaaga taaagaaaat sgaatattct 60  
 gctttttct tccttctaattt ttcacccttg cctaaggatg a 101

<210> 43  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 43  
 tttttcttcc ttcttaatttc acccttgccct aaggatgaga tttcttccca sgttggatc 60  
 ccagaaatgc agactgttagc tatggggcgg aagctttgtt t 101

<210> 44  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 44  
 ttgcctaagg atgagatttc ttcccaggtt ggtatcccag aatgcagac ygtagctatg 60  
 gggcggaaagc tttgtttctt tacctgatca cttgctgtgg a 101

<210> 45  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 45  
 atttcttccc aggttggat cccagaaatg cagactgtag ctatggggcg raagctttgt 60  
 ttctttacct gatcacttgc tgtggaaatt ctatgttattt g 101

<210> 46  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 46  
 tccctcttcc cttgccaatc attagaaagg aaagaagagg aaagagactc kctggagcac 60  
 tggtgagtct ctaggaccct gctatcctat cccaacaggg c 101

<210> 47  
 <211> 101

<212> DNA  
 <213> Homo Sapiens

<400> 47  
 actggtgagt ctctaggacc ctgctatcct atcccaacag ggctgtcaga mggagaactc 60  
 ctaatgtggc catttgaaac acttctcaac attgaaaatag a . 101

<210> 48  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 48  
 gaagttttaa aataacctct tctaagacac ggctatgagt aggttaagaga kcattcattc 60  
 ccttcaataa tatgactgtg ttgataaaac tgataaccat t . 101

<210> 49  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 49  
 aactgataac cattcacttg caaatgttat tattgaataa gtctcactta ktcatttaa 60  
 tattacccaa aagatgctaa caaattctgt ttcccacatt g . 101

<210> 50  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 50  
 gccaaagcaa cctaagaata ggacatggta gcttaagttt ttcagcttct yaactggcca 60  
 cacacacaca agttgtgttt gtacaattct tgaggtcaat c . 101

<210> 51  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 51  
 caaacaatat tactgtgttc taagcgcttc tgttactcga aaggggtctg rtccagaccc 60  
 caaaaagaggg ttcttggacc tcatgcaaga aagaattcag g . 101

<210> 52  
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 <212> DNA  
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (51)..(51)
<223> "a" repeats indefinitely

<400> 52
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ttttcctgg gagccacta atcacacagt gaacaaaagg c                                101

<210> 53
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 53
taagaaagca aaggaataaa gaatggctac tccataggca gcgtagcccc magggctgct      60
ggttggctat ttttgtggtt atttcttgat tatatgctaa a                                101

<210> 54
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 54
gtcgctctgg ttcaaacacc tctgacactt gaattacaaa tataaggacc rttgacactg      60
agatttaag ggaggaaaaaa cagattgaca gtggactaaa g                                101

<210> 55
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 55
gcaaggtaag aatcaagtag aaatgataaa gggcaaggaa aaaagatgaa mgcttactca      60
tattaaccat tctaccatttgaattatgg ccaacacacc t                                101

<210> 56
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 56
gacagtgggg aaaattcattc ttcatattgt cacatgcact gtaataggaa kgtttagcaa      60
aaaaaacctt ccagagaaag gtggttcca atattaccta c                                101

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<210> 57
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 57
gcaaaaaaaaaa cttccagag aaaggtggtt tccaatatta cctacaactt scttgcaat      60
ttgatttttggaaaggaccta aaagttgaaa acaggctatc a                                101

<210> 58
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(372)
<223> n at positions 51-372 represents a sequence having 322bp
      (SEQ ID NO: 99) or deletion

<400> 58
taaatgtttt attaagttt gcattgccca ctaaggctag acattttttt nnnnnnnnnn      60
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnnn nngataaaatt cacagggtta caaaatcca aacggaaatg agataagtgg      420
ta                                422

<210> 59
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 59
ggcccggtca gacattttt gataattca cagggttaca aaataccaaa yggaaatgag      60
ataagtggta taaaccacag aagatatagg agaagagaaa a                                101

<210> 60
<211> 101
<212> DNA
<213> Homo Sapiens

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents "a" or deletion

<400> 60
tgagataagt ggtataaacc acagaagata taggagaaga gaaaaaaaaa ngaggaaata 60
aagaagacaa ctctttcct aagagtctgg gtaaaattga a 101

<210> 61
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 61
ggaaataaaag aagacaactc tttcctaag agtctggta aaattgaaca yagccatatt 60
cactgaacaa catgagtgag cttcatatat ttaagcacag c 101

<210> 62
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 62
ccatattcac tgaacaacat gagtgagctt cattaattta agcacagcaa ractgctta 60
attaacaaga ccagagagaa gggagaggag actacatttgc 101

<210> 63
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 63
gtgacatatt agacttctta cttccccaa ataaaaaaagt gcctgctgg ygcggtggct 60
cacgcctgta attccagcac tttgggaggc cgaggcggc g 101

<210> 64
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 64
gcgcgggtggc tcacgcctgt aattccagca ctttgggagg ccgaggcggg ygaaacacaa 60
ggtcaggaga tcaagaccat cctggccaat atggtaaaac c 101

<210> 65

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<211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 65  
 atacaaaatt aggaaggcgt ggtggtgcac gcctgtaatc ccagctagtc rggaggctga 60  
 ggcaggagaa ttgcttgaac tggggaggcg gaagttgcag t 101

<210> 66  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (51)..(51)  
 <223> "a" repeats indefinitely

<400> 66  
 caagatcgca gcattgcact ccagcctggg caacagaatg agattgtctc agtgccacat 60  
 gccatgctat gtgcccaaag tttccttcac acaacacagc c 101

<210> 67  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 67  
 ttagagccag tcagaattca atctccaata tcctgactag cacaagaaat ycataggtt 60  
 attcttgttc tcctgcatct ctgcaggtgg caaacctgat t 101

<210> 68  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 68  
 ttgtgtgttt tcttaataaaa ctttacccac ttattaaaag aataaaatga rggtgagtt 60  
 aattctgact acgggattcc ttttcactt ttataatgaa c 101

<210> 69  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 69  
 tccttctaac taaatcttat cataagcaaa tctatgcacc aaattattta rtacaattcc 60

taataacagc tgaaggacca tttatttcaa gcaatgttca c	101
<210> 70	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 70	
ttagtacaat tcctaataac agctgaagga ccatttattt gaagcaatgt wcaccatagc	60
aaaattccag tgaagtctaa gaactgggac agtccgttga g	101
<210> 71	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 71	
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tctcataata agtttggaaac tcacagtagg aaattgagag a	101
<210> 72	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 72	
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tcattgagga aaaaggctac cttgtacctc atggagagct g	101
<210> 73	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 73	
catggagagc tgaaggctcg ataaatggga actgccaggt aatagctatg mtatttctga	60
cataaattta aaaactagta ttgtttcttc tagctctgtt t	101
<210> 74	
<211> 101	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (51)..(51)	

<223> "a" repeats indefinitely

<400> 74  
taatgttaaa ttggatctat aaacataagt caattggct ctattatgtc agagaatagg 60  
agtttaact tataatctgtg ttttattaat attttgaagt a 101

<210> 75  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 75  
ataagtcaat ttggctctat tatgtcaaaa gagaatagga gttttaactt wtatctgtgt 60  
tttattaata ttttgaagta taggaacctc atggtagc a 101

<210> 76  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 76  
gtatgtgaca ggggctgcat gcaccgggtgg tctgggagga acagaacagg rcagggagtt 60  
cttctataca atagagaaca gaacaatgtt cttctataca a 101

<210> 77  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 77  
aggcgggccc aggccctggtt tcgggcctgg cgctgagctg cctgtatttgc rttttacttc 60  
cttgggtttt ttactgaata tgaaacaata taaaacaatg t 101

<210> 78  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 78  
tggttttact tccttgggt ttttactgaa tatgaaacaa tataaaacaa kgtgagaggg 60  
tctttctctc ctctcaatgt caacatcata tatgattgga g 101

<210> 79  
<211> 101  
<212> DNA  
<213> Homo Sapiens

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<400> 79
gctggttgg ttgaagttc tcttatacgt caggcactt gcatttaag ygtactttac      60
caccgacacc ctcccccccc agcacacaca cacacacaca c                      101

<210> 80
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 80
tcagggactt tgcatttaa gcgtacttta ccacggacac cctccccccc magcacacac      60
acacacacac acacacacac acacacaaca tagtgaatg g                      101

<210> 81
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(52)
<223> "ca" at positions 51-52 repeats indefinitely

<400> 81
ggcactttgc attttaagcg tactttacca ccgacaccct ccccccccaag caacatagtg      60
aaatggaccc gtggaaatta tatgatagtt gtaatcaaaa ta                      102

<210> 82
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 82
gcactttgca ttttaagcgt actttaccac cgacaccctc ccccccccaagc rcacacacac      60
acacacacac acacacacac acaacatagt gaaatggacc c                      101

<210> 83
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)..(54)
<223> n at positions 51-54 represents "tctc" or deletion

<400> 83

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tctggaagta aacttaaaat gaaaattaga atttgcttc aattatacta nnnntatcta	60
aatcttaatt tgaaatttaa attatttgt ctctacccaa acca	104
<210> 84	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 84	
tatactatct ctatctaaat cttaatttga aatttaaattt atttgtctc yacccaaacc	60
atcgatttca tggaaatgtt taaattttct tttttttttt t	101
<210> 85	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 85	
cttaatttga aatttaaattt atttgtctc tacccaaacc atcgatttca yggaaatgtt	60
taaattttct tttttttttt tttttttgtt ggagtctcac t	101
<210> 86	
<211> 104	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (51)..(54)	
<223> n at positions 51-54 represents insertion of "tttc" or none	
<400> 86	
tatTTTGTCT ctacccaaac catcgatttc atggaaatgt ttaaattttc nnnntttttt	60
tttttttttt ttgatggagt ctcactctgt cgcccaggct ggag	104
<210> 87	
<211> 101	
<212> DNA	
<213> Homo Sapiens	
<400> 87	
aggctggagt gcagtggctc aatctggct cactgcaacc tctgcctccc rggttcacac	60
cattctcctg cttcagcctc ctgagtagct gggactacag g	101
<210> 88	
<211> 101	

<212> DNA  
 <213> Homo Sapiens

<400> 88  
 attctcctgc tttagccctcc ttagtagctg ggactacagg tgcccgccac macacctggc 60  
 taatttttg tatttttagt agagatgggg tttcaccacg t 101

<210> 89  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 89  
 acaacacactg gctaattttt tgtattttta gtagagatgg ggtttcacca ygttagccag 60  
 gatggtttcg atctcctgac ctcgtatct gcctgcctcg g 101

<210> 90 ·  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 90  
 atccccatca attaatagg aatatagtta gaaatactag tatataatatt ycctttat 60  
 actaattgtatccatata aaagcattag taccattata t 101

<210> 91  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 91  
 agtatataataccatata ttccctttat atactaattt gatataccata taaaaggatt mgtaccatta 60  
 tatgaaagta tatatgccat tccataaaaa tatatctacc a 101

<210> 92  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 92  
 ggaattaaag aaaaaatgcc tgtttcact aagtcatcct tcccctggca rtacattcc 60  
 tgaactttta catacttaaa tagccagttt tgaaaatgtta a 101

<210> 93  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

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<400>  93
acatttaaa cagactcctg cccacaaact attttcctc tccaggaata rgaatggcaa      60
ctgaattgtt cttttttat tctatagctt taagtcaaac c                         101

<210>  94
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  94
gaatggcaac tgaattgttc ctttttatt ctatagctt aagtcaaacc yaacataaagc      60
aatcaaccct tccaccatt gtccttttc tagctgctta t                         101

<210>  95
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  95
ttgggggtga aataaaagat agaccctgc tgctctgcac gtagattcag yttgtatgcc      60
agggtgacat tttaatttac agtagtccag acacctaaac a                         101

<210>  96
<211>  101
<212>  DNA
<213>  Homo Sapiens

<400>  96
ggggtgaaat aaaagataga cccctgctgc tctgcacgta gattcagtt statgccagg      60
gtgacatttt aatttacagt agtccagaca cctaaacagg a                         101

<210>  97
<211>  101
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (51)..(51)
<223>  "t" repeats indefinitely

<400>  97
caacattgtt ttcctttga tggtctggga gttttctat aagttttgg tctcttcatt      60
agtgtgttag ttccatcatc atgtctgttt actattgaaa a                         101

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<210> 98						
<211> 101						
<212> DNA						
<213> Homo Sapiens						
<400> 98						
ttgaaaatat	aggcagctaa	atccactgat	agtctacttt	ttttaaaaat	ktgttcttga	60
tgttttgagc	aggaaaatta	tttgcaagaa	acaaagagtt	t		101
<210> 99						
<211> 322						
<212> DNA						
<213> Homo sapiens						
<400> 99						
tttttttttt	tttttttttt	tttttgagac	agagtctcgc	tctgtcgccc	aggctggagt	60
acagtggcgg	gatctcggt	cactgcaagc	tccgcctccc	gggttcacgc	catttcctg	120
cctcagcctc	ccaagtagct	gggactacag	gcgcggcgc	ctacgccccg	ctaattttt	180
gtatttttag	tagagacggg	gtttcaccgt	tttagccggg	atgatctcg	tctcctgacc	240
tcgtgatccg	ccgcctcg	cctccaaag	tgctgggatt	acaggcgtga	gccaccgcgc	300
ccggcccg	tagacattt	tt				322